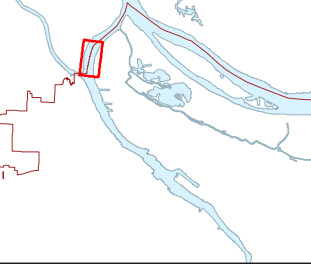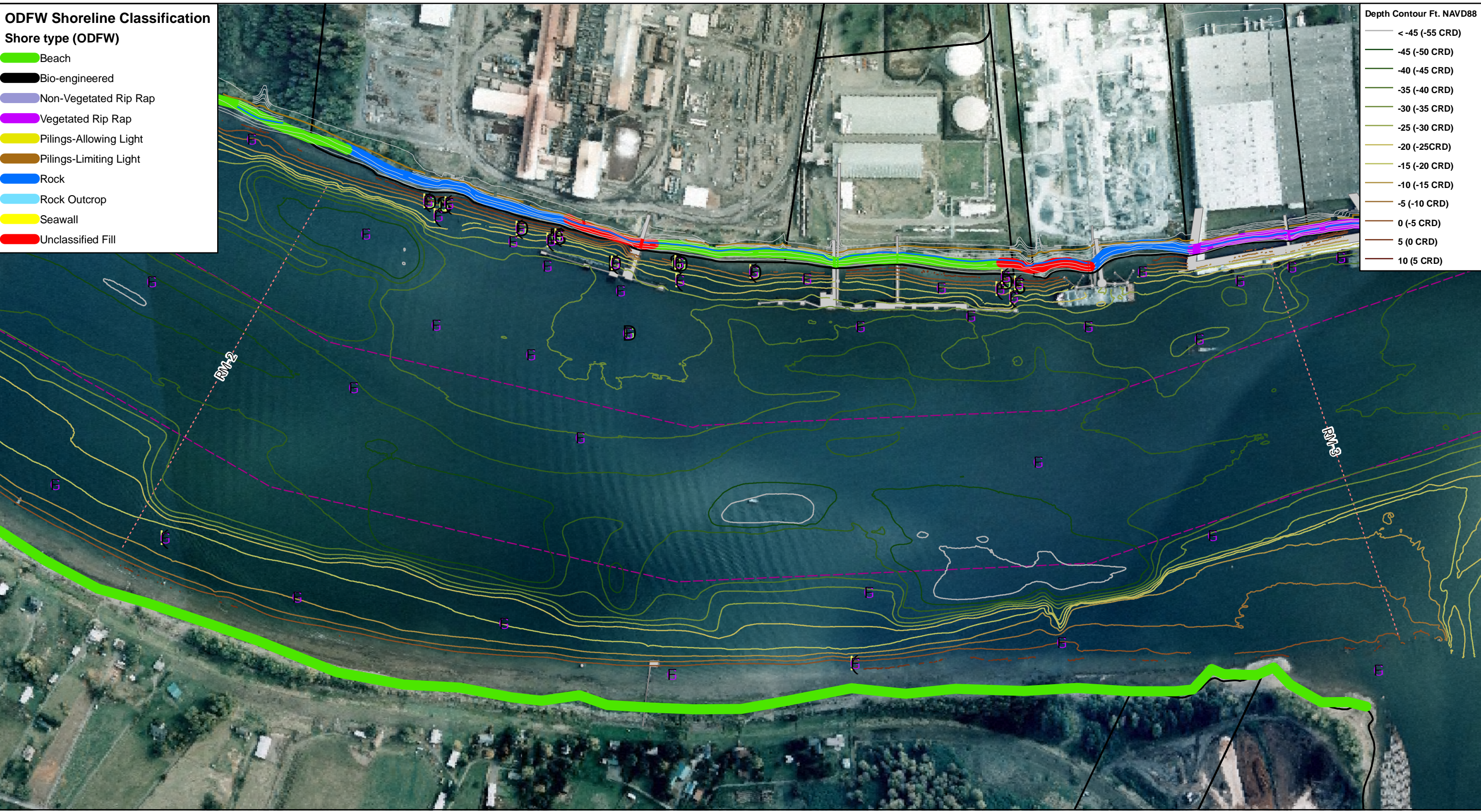**ODFW Shoreline Classification**

Shore type (ODFW)
- Beach
- Bio-engineered
- Non-Vegetated Rip Rap
- Vegetated Rip Rap
- Pilings-Allowing Light
- Pilings-Limiting Light
- Rock
- Rock Outcrop
- Seawall
- Unclassified Fill

Depth Contour Ft. NAVD88
- < -45 (-55 CRD)
- -45 (-50 CRD)
- -40 (-45 CRD)
- -35 (-40 CRD)
- -30 (-35 CRD)
- -25 (-30 CRD)
- -20 (-25CRD)
- -15 (-20 CRD)
- -10 (-15 CRD)
- -5 (-10 CRD)
- 0 (-5 CRD)
- 5 (0 CRD)
- 10 (5 CRD)

RM-2

RM-3

Legend
- Sediment Only
- Sediment and Bioassay
- Replicate
- COE Navigation Channel
- contours_2ft_pdx
- <all other values>

Round 2A Subsurface Sediment
Core Length
- 14 Ft. Max Depth
- 20 Ft. Max Depth

ELEVATION
- 20
- 12

PORTLAND HARBOR: River Miles 2-3
RIPARIAN AREA ANALYSIS

DRAFT

MAPPING: NOAA/NOS/ORR
COASTAL PROTECTION
AND RESTORATION DIVISION

ODFW Shoreline Classification

Shore type (ODFW)

- 🟢 Beach
- ⬛ Bio-engineered
- 🟪 Non-Vegetated Rip Rap
- 🟣 Vegetated Rip Rap
- 🟨 Pilings-Allowing Light
- 🟫 Pilings-Limiting Light
- 🔵 Rock
- 🔵 Rock Outcrop
- 🟡 Seawall
- 🔴 Unclassified Fill

Depth Contour Ft. NAVD88

- < -45 (-55 CRD)
- -45 (-50 CRD)
- -40 (-45 CRD)
- -35 (-40 CRD)
- -30 (-35 CRD)
- -25 (-30 CRD)
- -20 (-25CRD)
- -15 (-20 CRD)
- -10 (-15 CRD)
- -5 (-10 CRD)
- 0 (-5 CRD)
- 5 (0 CRD)
- 10 (5 CRD)

Legend

- 🄱 Sediment Only
- 🄲 Sediment and Bioassay
- (Replicate

Round 2A Subsurface Sediment
Core Length
- 🄳 14 Ft. Max Depth
- 🄢 20 Ft. Max Depth

- ▭ COE Navigation Channel
- **contours_2ft_pdx**
- <all other values>

ELEVATION
- 20
- 12

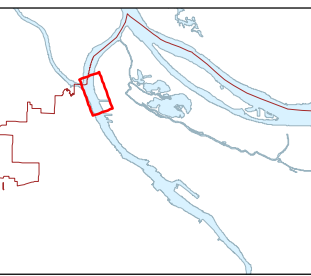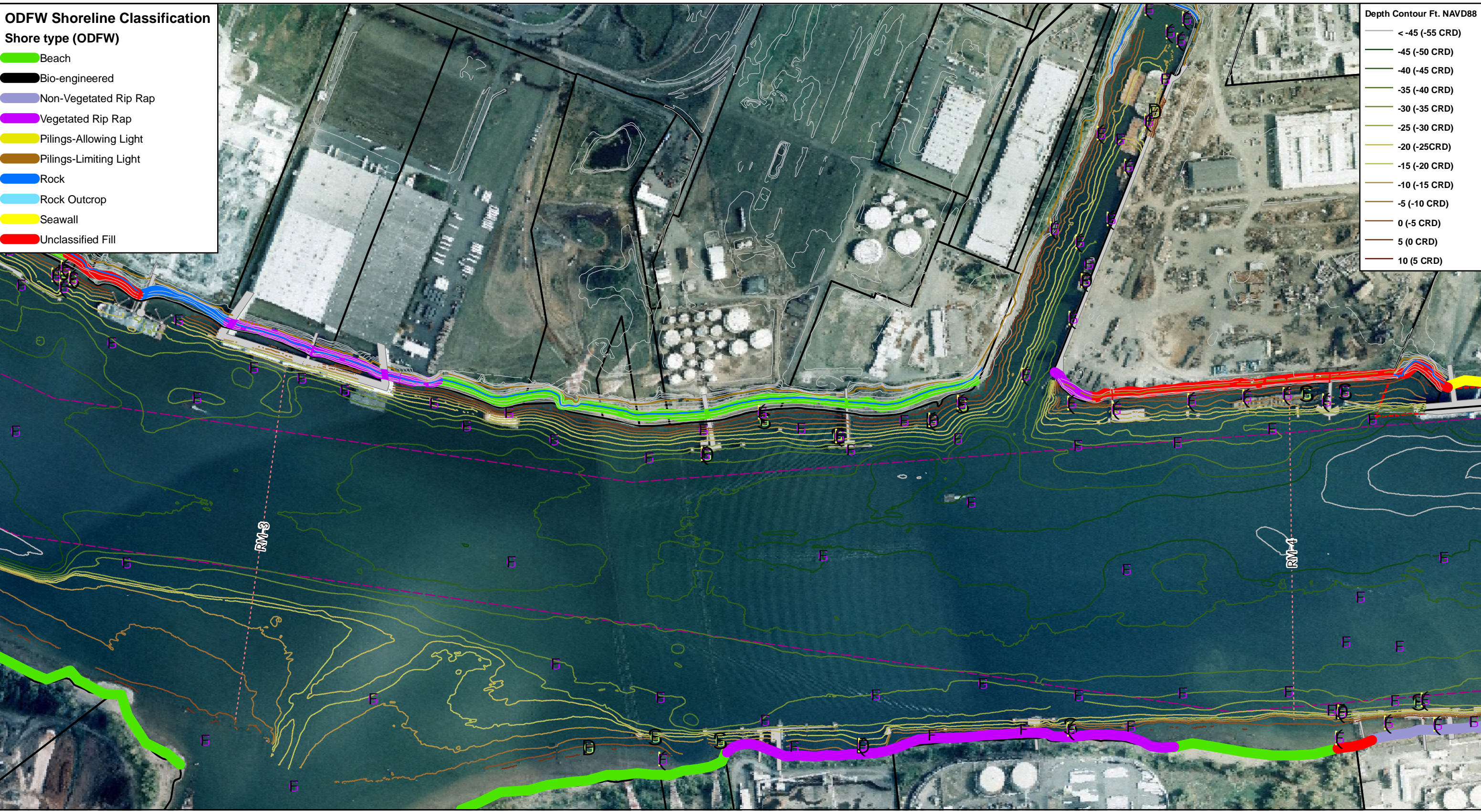## PORTLAND HARBOR: River Miles 3-4
RIPARIAN AREA ANALYSIS

DRAFT

ODFW Shoreline Classification

Shore type (ODFW)
- Beach
- Bio-engineered
- Non-Vegetated Rip Rap
- Vegetated Rip Rap
- Pilings-Allowing Light
- Pilings-Limiting Light
- Rock
- Rock Outcrop
- Seawall
- Unclassified Fill

Depth Contour Ft. NAVD88
- < -45 (-55 CRD)
- -45 (-50 CRD)
- -40 (-45 CRD)
- -35 (-40 CRD)
- -30 (-35 CRD)
- -25 (-30 CRD)
- -20 (-25CRD)
- -15 (-20 CRD)
- -10 (-15 CRD)
- -5 (-10 CRD)
- 0 (-5 CRD)
- 5 (0 CRD)
- 10 (5 CRD)

NOTES
Data Sources:
LWG, Integral Inc., Metro RLIS,
City of Portland BES, NOAA
Oregon DEQ ECSI
NOAA Query Manager 05.25.05
Coordinate System: Oregon State
Plane North, Intl. Feet
Datums: NAD83, NAVD88

Outfall information contained on this map is accurate according to available records;
however, the City of Portland makes no warranty, expressed or implied,
as to the completeness or accuracy of the information published.
Bathymetry: Jan. 2005; CSM 03.31.05

Plot Date: 01.10.2006 BDS
File: c:\gis\projects\portland_harbor\arc_projects\ph_riparian2_011006.mxd

Legend

⑥ Sediment Only
⑥ Sediment and Bioassay
(Replicate

Round 2A Subsurface Sediment
Core Length

⑥ 14 Ft. Max Depth
⑥ 20 Ft. Max Depth

COE Navigation Channel
contours_2ft_pdx
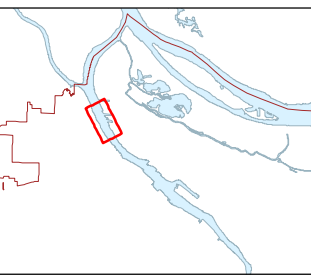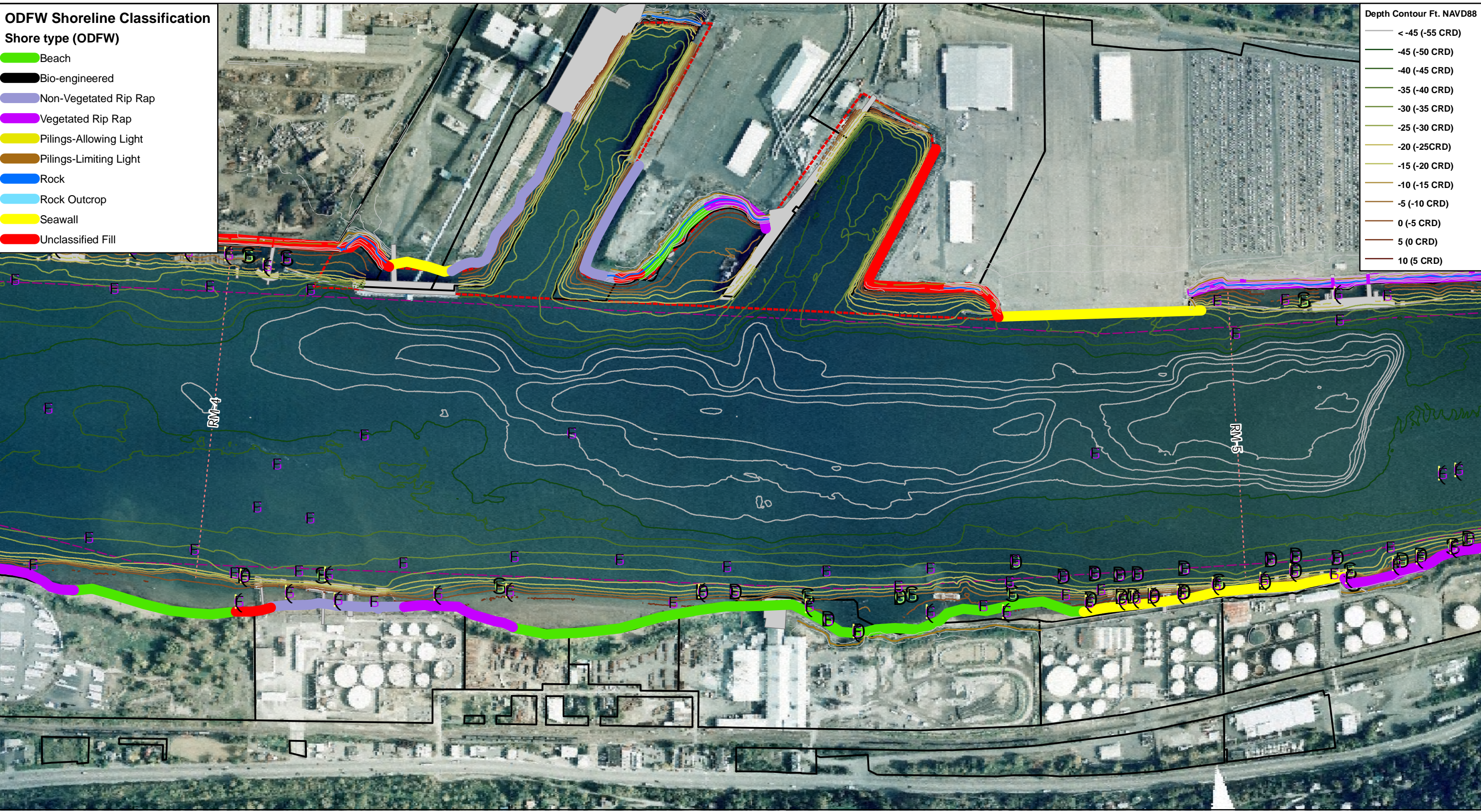<all other values>
ELEVATION
— 20
— 12

PORTLAND HARBOR: River Miles 4-5
RIPARIAN AREA ANALYSIS

DRAFT

MAPPING: NOAA/NOS/ORR
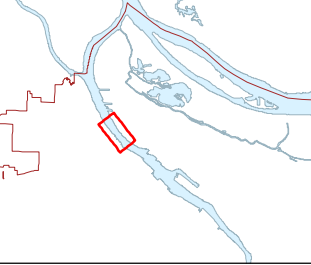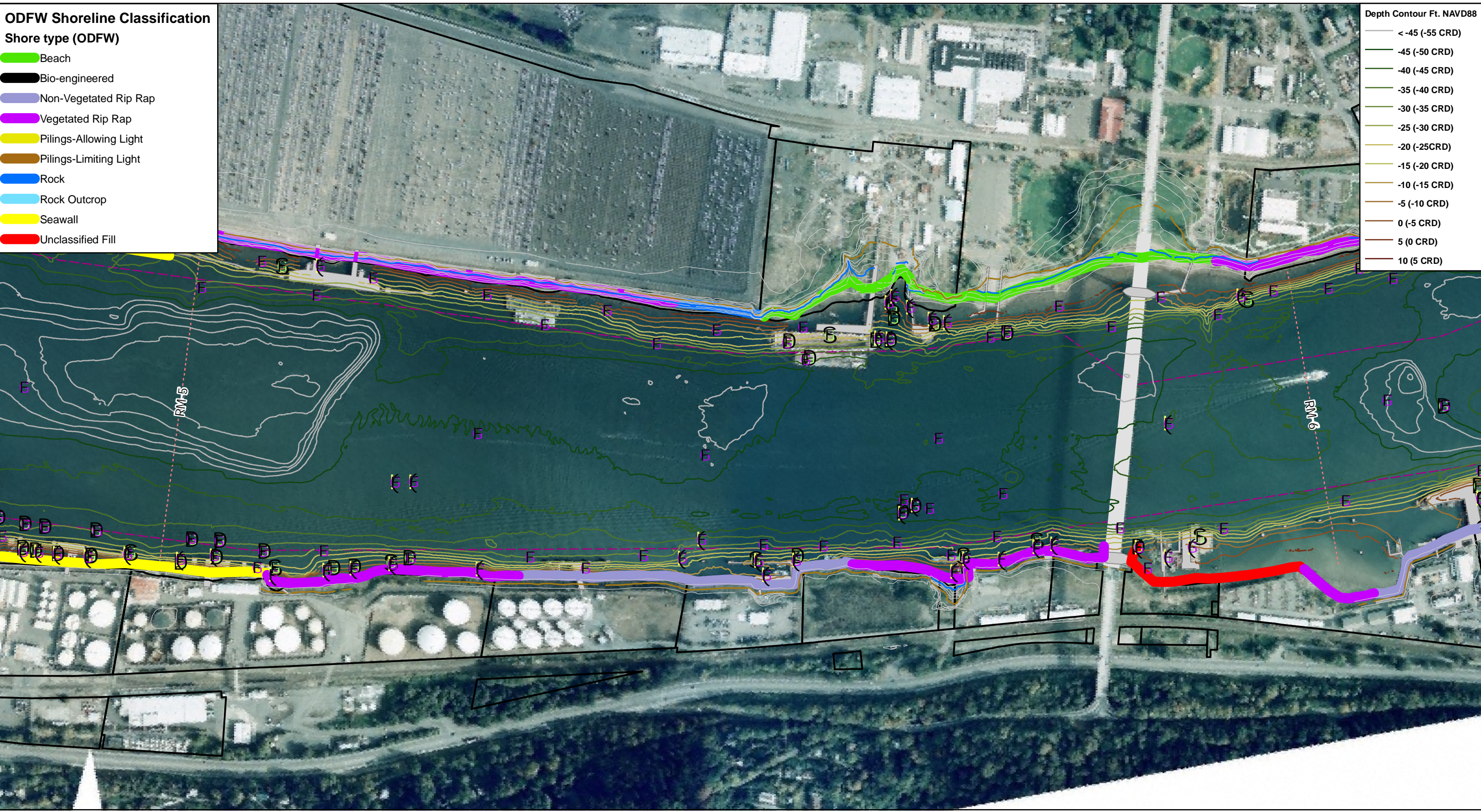COASTAL PROTECTION
AND RESTORATION DIVISION

ODFW Shoreline Classification

Shore type (ODFW)

- Beach
- Bio-engineered
- Non-Vegetated Rip Rap
- Vegetated Rip Rap
- Pilings-Allowing Light
- Pilings-Limiting Light
- Rock
- Rock Outcrop
- Seawall
- Unclassified Fill

Depth Contour Ft. NAVD88

- < -45 (-55 CRD)
- -45 (-50 CRD)
- -40 (-45 CRD)
- -35 (-40 CRD)
- -30 (-35 CRD)
- -25 (-30 CRD)
- -20 (-25CRD)
- -15 (-20 CRD)
- -10 (-15 CRD)
- -5 (-10 CRD)
- 0 (-5 CRD)
- 5 (0 CRD)
- 10 (5 CRD)

Legend

- 6 Sediment Only
- 6 Sediment and Bioassay
- (Replicate

- COE Navigation Channel
- **contours_2ft_pdx**
  - <all other values>

Round 2A Subsurface Sediment

Core Length

- 6 14 Ft. Max Depth
- 6 20 Ft. Max Depth

ELEVATION
- 20
- 12

PORTLAND HARBOR: River Miles 5-6
RIPARIAN AREA ANALYSIS

DRAFT

MAPPING: NOAA/NOS/ORR
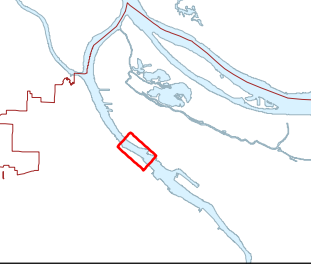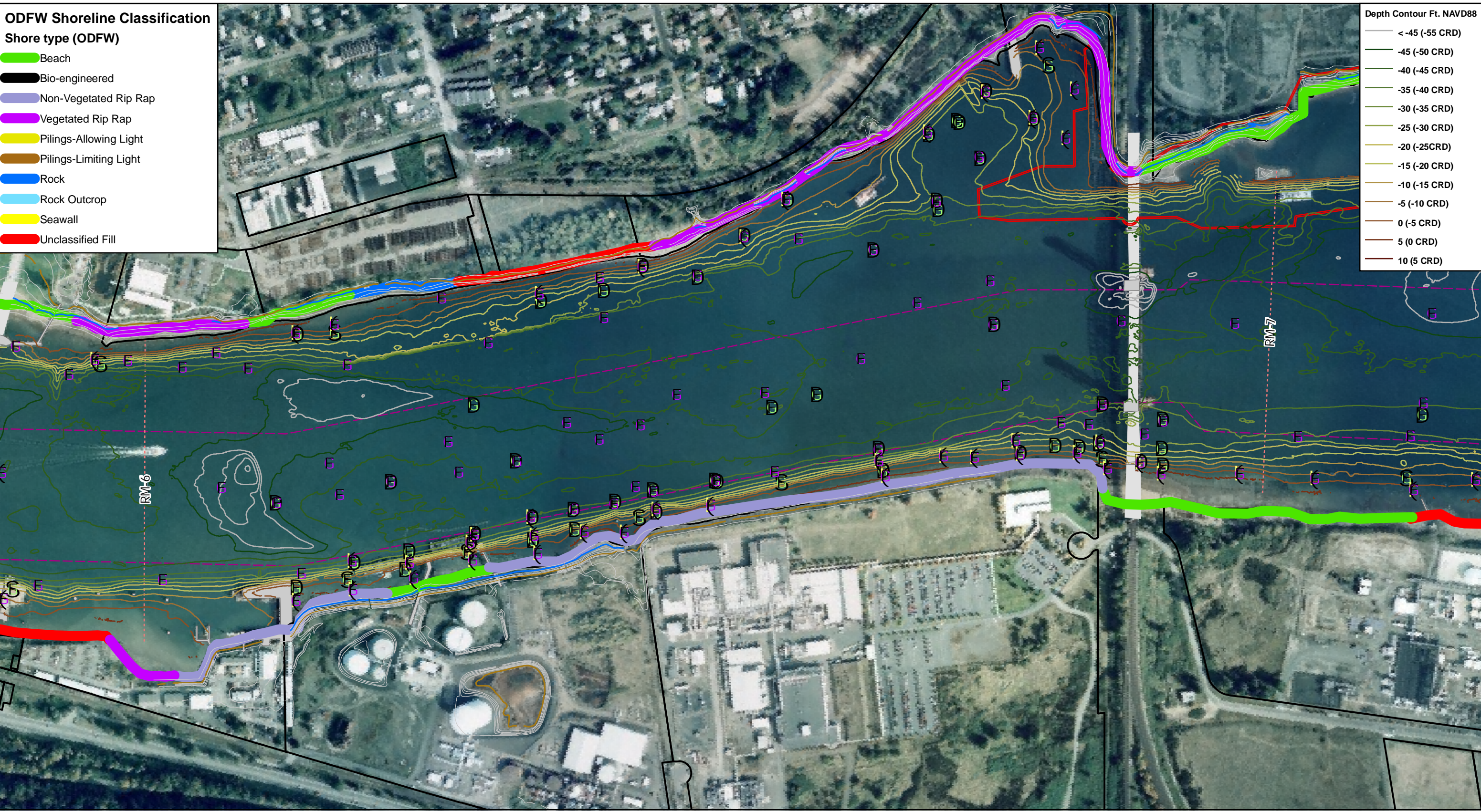*COASTAL PROTECTION*
AND RESTORATION DIVISION

ODFW Shoreline Classification

Shore type (ODFW)

- Beach
- Bio-engineered
- Non-Vegetated Rip Rap
- Vegetated Rip Rap
- Pilings-Allowing Light
- Pilings-Limiting Light
- Rock
- Rock Outcrop
- Seawall
- Unclassified Fill

Depth Contour Ft. NAVD88

- < -45 (-55 CRD)
- -45 (-50 CRD)
- -40 (-45 CRD)
- -35 (-40 CRD)
- -30 (-35 CRD)
- -25 (-30 CRD)
- -20 (-25 CRD)
- -15 (-20 CRD)
- -10 (-15 CRD)
- -5 (-10 CRD)
- 0 (-5 CRD)
- 5 (0 CRD)
- 10 (5 CRD)

NOTES

Data Sources:
LWG, Integral Inc., Metro RLIS,
City of Portland BES, NOAA
Oregon DEQ ECSI
NOAA Query Manager 05.25.05
Coordinate System: Oregon State
Plane North, Intl. Feet
Datums: NAD83, NAVD88

Outfall information contained on this map is accurate according to available records;
however, the City of Portland makes no warranty, expressed or implied,
as to the completeness or accuracy of the information published.
Bathymetry: Jan. 2005; CSM 03.31.05
Plot Date: 01.10.2006 BDS
File: c:\gis\projects\portland_harbor\arc_projects\ph_riparian2_011006.mxd

Legend

- Sediment Only
- Sediment and Bioassay
- Replicate
- COE Navigation Channel

contours_2ft_pdx
- <all other values>

Round 2A Subsurface Sediment

Core Length
- 14 Ft. Max Depth
- 20 Ft. Max Depth

ELEVATION
- 20
- 12

PORTLAND HARBOR: River Miles 6-7
RIPARIAN AREA ANALYSIS

DRAFT

MAPPING: NOAA/NOS/ORR
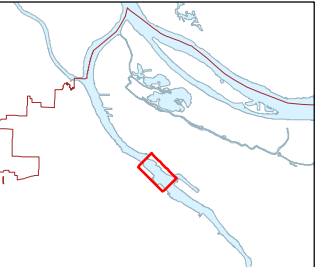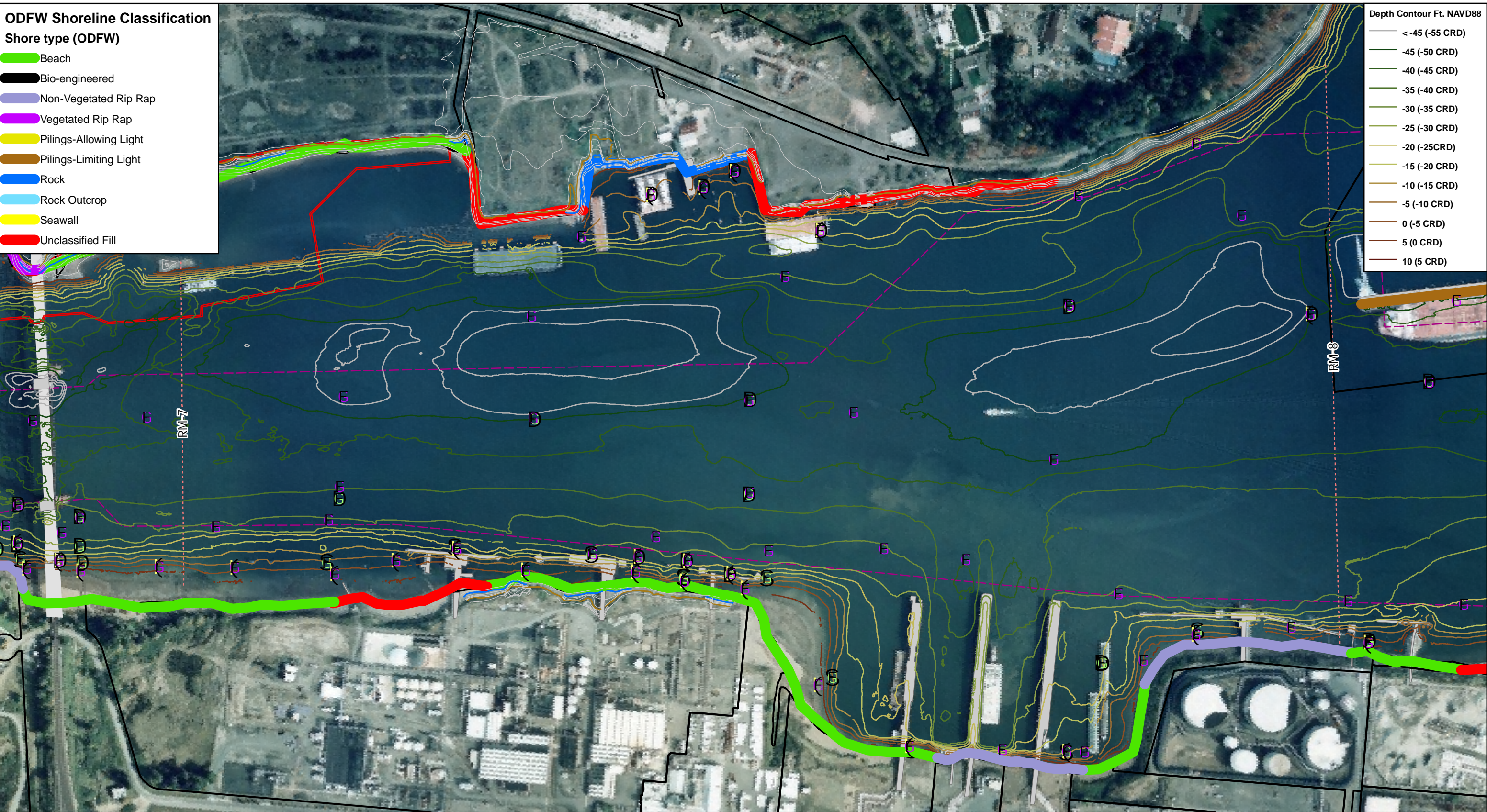COASTAL PROTECTION
AND RESTORATION DIVISION

ODFW Shoreline Classification

Shore type (ODFW)
- Beach
- Bio-engineered
- Non-Vegetated Rip Rap
- Vegetated Rip Rap
- Pilings-Allowing Light
- Pilings-Limiting Light
- Rock
- Rock Outcrop
- Seawall
- Unclassified Fill

Depth Contour Ft. NAVD88
- < -45 (-55 CRD)
- -45 (-50 CRD)
- -40 (-45 CRD)
- -35 (-40 CRD)
- -30 (-35 CRD)
- -25 (-30 CRD)
- -20 (-25 CRD)
- -15 (-20 CRD)
- -10 (-15 CRD)
- -5 (-10 CRD)
- 0 (-5 CRD)
- 5 (0 CRD)
- 10 (5 CRD)

RM-7

RM-8

Legend

- Sediment Only
- Sediment and Bioassay
- Replicate

COE Navigation Channel

contours_2ft_pdx
- <all other values>

Round 2A Subsurface Sediment

ELEVATION
- 20
- 12

Core Length
- 14 Ft. Max Depth
- 20 Ft. Max Depth

PORTLAND HARBOR: *River Miles 7-8*
RIPARIAN AREA ANALYSIS

DRAFT

MAPPING: NOAA/NOS/ORR
COASTAL PROTECTION
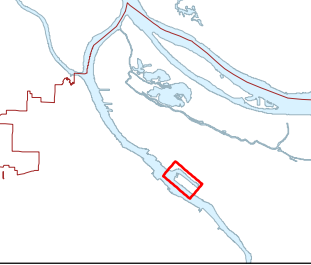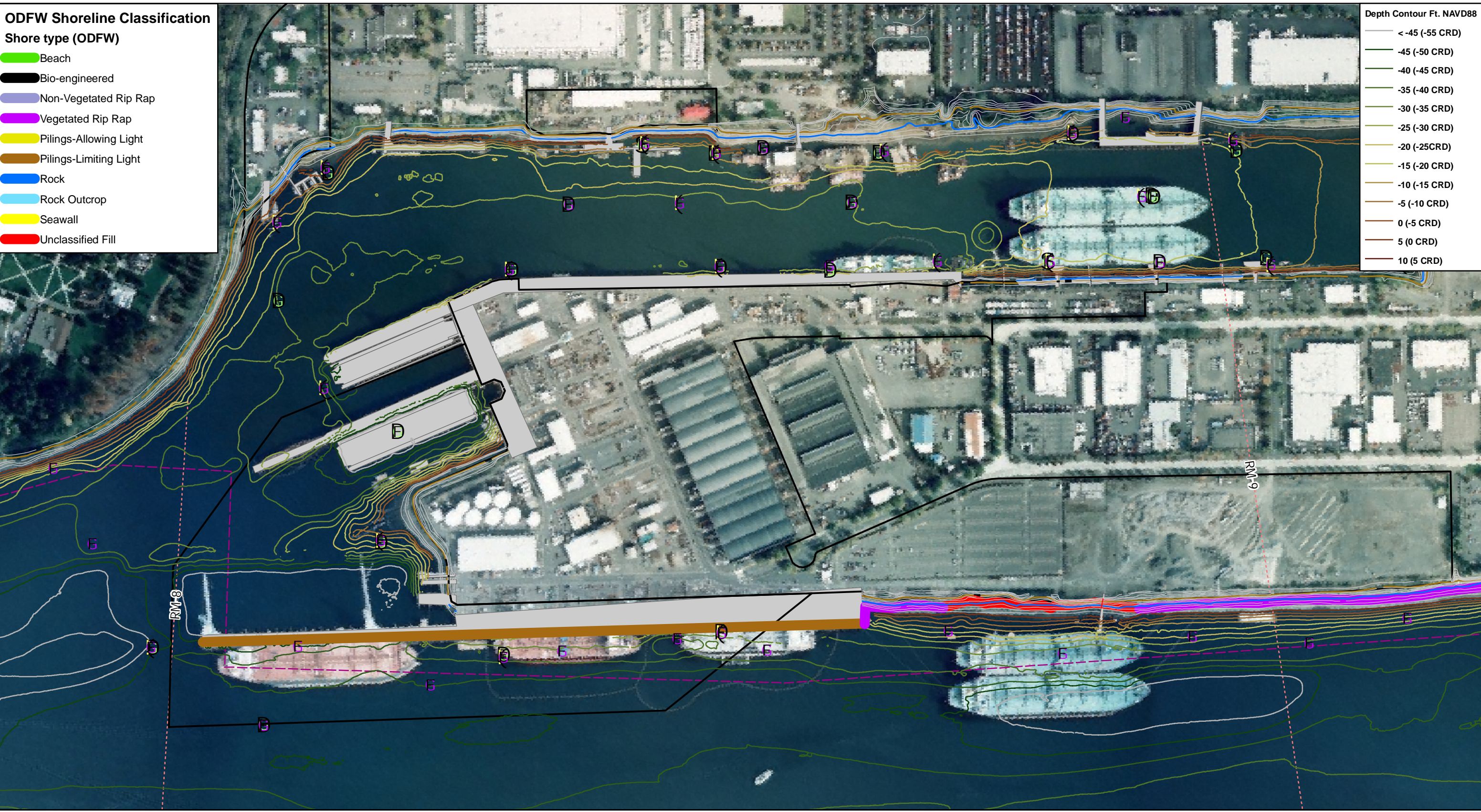*AND RESTORATION DIVISION*

ODFW Shoreline Classification

Shore type (ODFW)

- Beach
- Bio-engineered
- Non-Vegetated Rip Rap
- Vegetated Rip Rap
- Pilings-Allowing Light
- Pilings-Limiting Light
- Rock
- Rock Outcrop
- Seawall
- Unclassified Fill

Depth Contour Ft. NAVD88

- < -45 (-55 CRD)
- -45 (-50 CRD)
- -40 (-45 CRD)
- -35 (-40 CRD)
- -30 (-35 CRD)
- -25 (-30 CRD)
- -20 (-25 CRD)
- -15 (-20 CRD)
- -10 (-15 CRD)
- -5 (-10 CRD)
- 0 (-5 CRD)
- 5 (0 CRD)
- 10 (5 CRD)

RM-8

RM-9

Legend

- 🝓 Sediment Only
- 🝓 Sediment and Bioassay
- (Replicate

Round 2A Subsurface Sediment
Core Length
- 🝓 14 Ft. Max Depth
- 🝓 20 Ft. Max Depth

- [ ] COE Navigation Channel

contours_2ft_pdx
— <all other values>
ELEVATION
— 20
— 12

PORTLAND HARBOR: River Miles 8-9a
RIPARIAN AREA ANALYSIS

DRAFT

MAPPING: NOAA/NOS/ORR
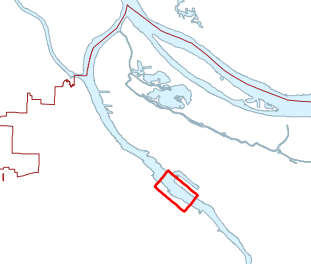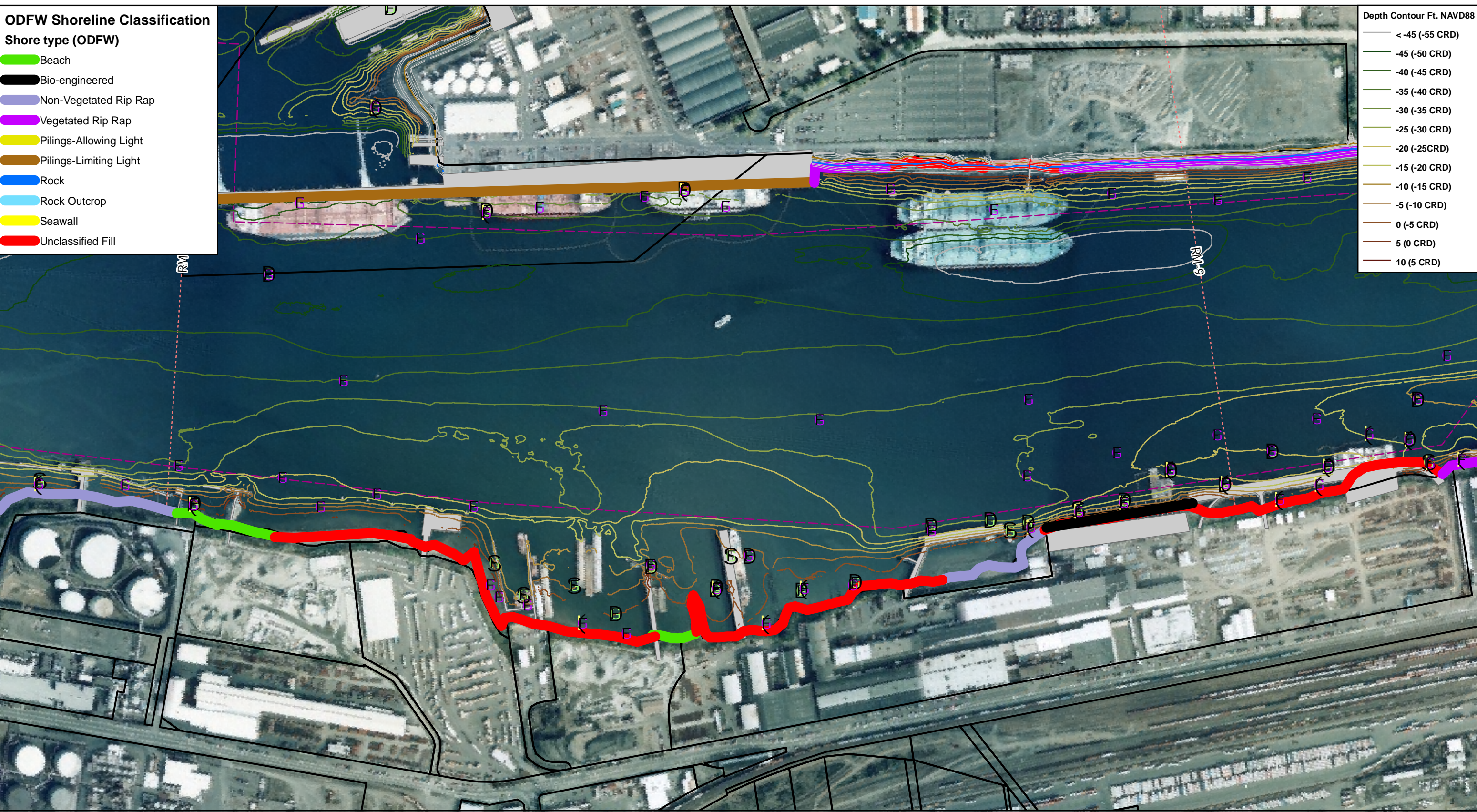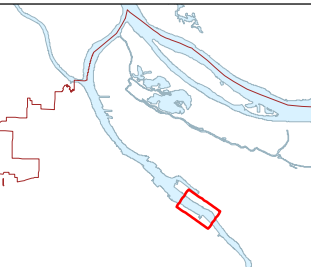*COASTAL PROTECTION*
AND RESTORATION DIVISION

ODFW Shoreline Classification

Shore type (ODFW)
- Beach
- Bio-engineered
- Non-Vegetated Rip Rap
- Vegetated Rip Rap
- Pilings-Allowing Light
- Pilings-Limiting Light
- Rock
- Rock Outcrop
- Seawall
- Unclassified Fill

Depth Contour Ft. NAVD88
- < -45 (-55 CRD)
- -45 (-50 CRD)
- -40 (-45 CRD)
- -35 (-40 CRD)
- -30 (-35 CRD)
- -25 (-30 CRD)
- -20 (-25CRD)
- -15 (-20 CRD)
- -10 (-15 CRD)
- -5 (-10 CRD)
- 0 (-5 CRD)
- 5 (0 CRD)
- 10 (5 CRD)

Legend

- Sediment Only
- Sediment and Bioassay
- Replicate
- COE Navigation Channel
- **contours_2ft_pdx**
- <all other values>

Round 2A Subsurface Sediment

Core Length
- 14 Ft. Max Depth
- 20 Ft. Max Depth

ELEVATION
- 20
- 12

PORTLAND HARBOR: River Miles 8-9b
RIPARIAN AREA ANALYSIS

DRAFT

MAPPING: NOAA/NOS/ORR
COASTAL PROTECTION
AND RESTORATION DIVISION

ODFW Shoreline Classification

Shore type (ODFW)
- 🟩 Beach
- ⬛ Bio-engineered
- 🟪 Non-Vegetated Rip Rap
- 🟣 Vegetated Rip Rap
- 🟨 Pilings-Allowing Light
- 🟫 Pilings-Limiting Light
- 🟦 Rock
- 🟦 Rock Outcrop
- 🟨 Seawall
- 🟥 Unclassified Fill

Depth Contour Ft. NAVD88
- < -45 (-55 CRD)
- -45 (-50 CRD)
- -40 (-45 CRD)
- -35 (-40 CRD)
- -30 (-35 CRD)
- -25 (-30 CRD)
- -20 (-25 CRD)
- -15 (-20 CRD)
- -10 (-15 CRD)
- -5 (-10 CRD)
- 0 (-5 CRD)
- 5 (0 CRD)
- 10 (5 CRD)

Legend

🟨 Sediment Only
🟨 Sediment and Bioassay
(Replicate

Round 2A Subsurface Sediment
Core Length
🟨 14 Ft. Max Depth
🟨 20 Ft. Max Depth

⬛ COE Navigation Channel

contours_2ft_pdx
<all other values>

ELEVATION
— 20
— 12

PORTLAND HARBOR: River Miles 9-10
RIPARIAN AREA ANALYSIS

DRAFT

MAPPING: NOAA/NOS/ORR
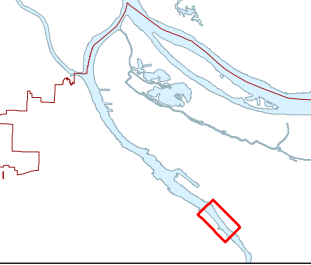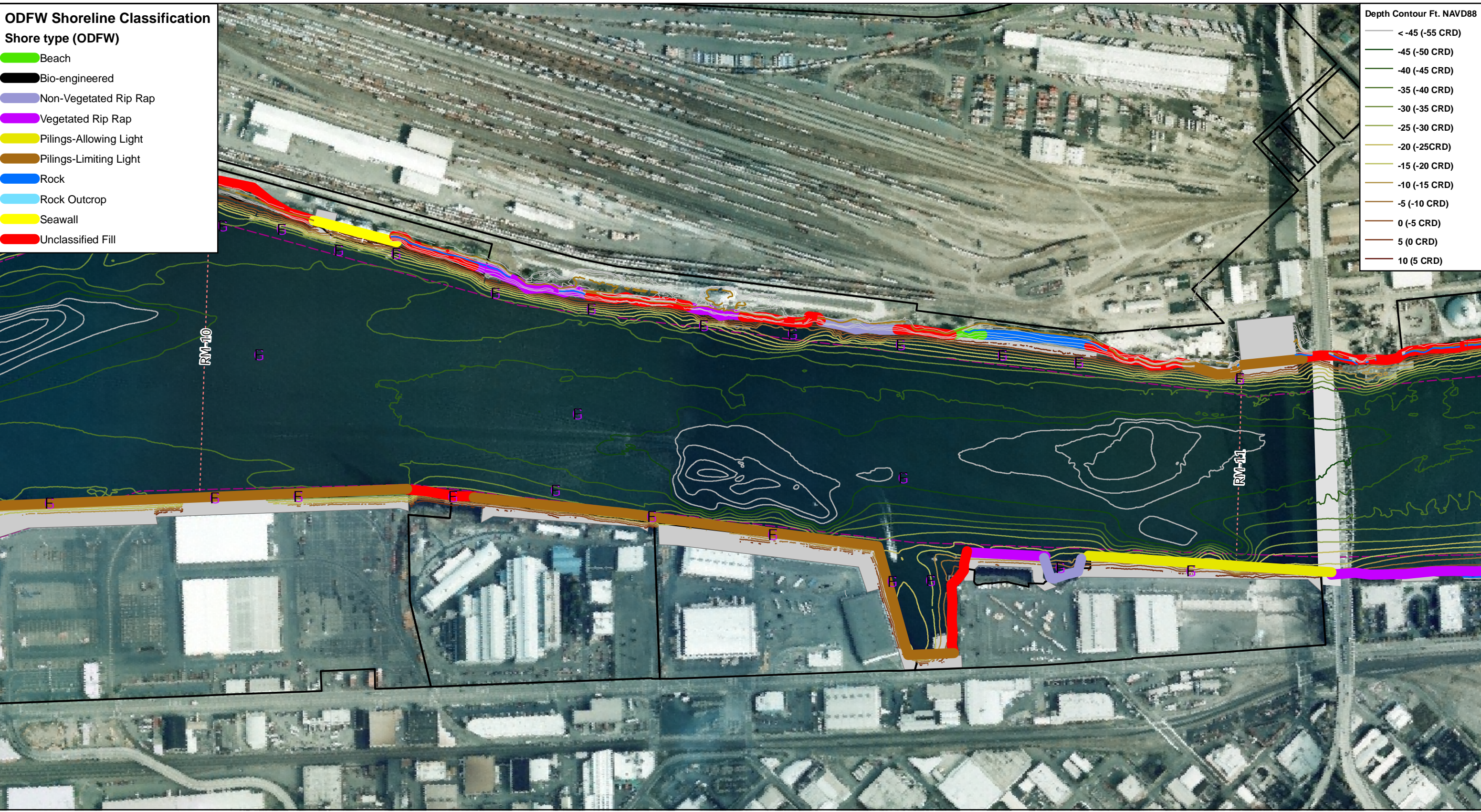*COASTAL PROTECTION*
AND RESTORATION DIVISION

ODFW Shoreline Classification

Shore type (ODFW)

- Beach
- Bio-engineered
- Non-Vegetated Rip Rap
- Vegetated Rip Rap
- Pilings-Allowing Light
- Pilings-Limiting Light
- Rock
- Rock Outcrop
- Seawall
- Unclassified Fill

Depth Contour Ft. NAVD88

- < -45 (-55 CRD)
- -45 (-50 CRD)
- -40 (-45 CRD)
- -35 (-40 CRD)
- -30 (-35 CRD)
- -25 (-30 CRD)
- -20 (-25 CRD)
- -15 (-20 CRD)
- -10 (-15 CRD)
- -5 (-10 CRD)
- 0 (-5 CRD)
- 5 (0 CRD)
- 10 (5 CRD)

Legend

- 6 Sediment Only
- 6 Sediment and Bioassay
- (Replicate

- COE Navigation Channel
- **contours_2ft_pdx**
- <all other values>
- **ELEVATION**
- 20
- 12

Round 2A Subsurface Sediment

Core Length

- 14 Ft. Max Depth
- 20 Ft. Max Depth

PORTLAND HARBOR: River Miles 10-11
RIPARIAN AREA ANALYSIS

DRAFT

MAPPING: NOAA/NOS/ORR
COASTAL PROTECTION
AND RESTORATION DIVISION